

IN THE U.S. PATENT & TRADEMARK OFFICE

In re U.S. Divisional Patent Application of:

Charles W. COBB, et al.

Serial No.

Filed: August 5, 2003

Title: ENZYME COMPOSITION ADAPTED FOR
APPLICATION TO RUMINANT FEED TO
INCREASE PROTEIN DIGESTABILITY
THEREOF AND METHOD OF TREATING
RUMINANT FEEDS RELATING THERETO

Art Unit:

Examiner:

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 C.F.R. § 1.97, the Examiner may wish to consider the references listed on the attached PTO/SB/08A. In submitting these references, no representation is made or implied that the references are or are not material to the examination of this application. The Examiner is encouraged to make his or her own determination of materiality.

Copies of the references were provided or cited in U.S. Serial No. 09/626,875 filed July 27, 2000, from which priority under 35 U.S.C. § 120 is claimed. Pursuant to 37 C.F.R. § 1.98, copies of the references are not provided.

This IDS is filed prior to the first office action in the present case. Accordingly, no fee is believed due. However, any fee associated with this transmittal may be charged to Deposit Account No. 50-1123.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'CW Burton', written over a horizontal line.

August 5, 2003

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PTO/SB/08A (10/01) (Substitute for form 1449A/PTO)		ATTY. DOCKET NO. UAP8322 DIV		APPLICATION NO.		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		FIRST NAMED INVENTOR: Charles W. COBB				
(Use several sheets if necessary) Sheet <u>1</u> of <u>1</u>		FILING DATE August 5, 2003		ART UNIT		
U.S. PATENT DOCUMENTS						
Examiner Initials	Cite No.	Document No. No. – Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Doc	Pages, Columns, Lines, Where Rel vant Passages or Relevant Figures Appear	
		5,662,901	09/02/97	TOBEY, Jr., et al.		
		5,720,971	02/24/98	BEAUCHEMIN, et al.		
FOREIGN PATENT DOCUMENTS						
Examin er Initials	Cite No.	Foreign Patent Doc cntry code – No. – Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Doc	Pages, Columns. Lines Where Relevant Passages or Relevant Figures Appear	TRANSLATION
						X YES NO
OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS						
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s) publisher, city and/or country where published				
		"Multicel 185", George A. Jeffreys and Company, Inc., published on or before 01/01/2000.				
		"Material Safety Data - - Multicel 185", Nugen, Inc., March 1, 1994, pp. 1-4.				
		"Spezyme® CP", Genencor® Cellulase Enzyme, on or before 01/01/2000.				
		"Effect of Cell Wall Degrading Enzyme Preparations on the In-Vitro N Solubility of Feedstuffs", J.W. Cone, A.H. Van Gelder and J. Van Der Meulen, Received 9/8/1994, pp. 242-246, 248, 250 and 252.				
		<u>Food Carbohydrates</u> , Edited by David R. Lineback, Ph.D., Raleigh, North Carolina and George E. Inglett, Ph.D., Peoria, Illinois, AVI Publishing Company, Inc., Westport, Connecticut, "Analysis of Polysaccharides", pp. 356-360.				
		"Joint Proceedings of the Second International Roundtable on Animal Feed Biotechnology – Probiotics and Workshop on Animal Feed Enzymes", Edited by S.K. Ho, D.A. Leger, and E.E. Lister, Ottawa, Ontario, Canada, February 3-4, 1994, "Are Enzymes Effective: Application to Monogastric Animals", pp. 149-184.				
		"Nutritional implications of feeding enzyme-treated wheat bran to pigs", by Johan Inborr, Jan Van Der Meulen and Jari Puhakka, on or before 01/01/2000, pp. 3, 6 and 22.				
		"Probiotic Concepts: The Production and Use of Direct Fed Microbials and Enzyme Bearing Products in Animal Management", by James F. Tobey, Jr., 1992.				
		<u>Biotechnology in the Feed Industry: 1994 and Beyond</u> , T.P. Lyons, Alltech Inc., Nicholasville, KY, © 1994, pp. 83-85.				
		"Upgrading recycled pulps using enzymatic treatment", Gerhard Stork, Helena Pereira, Thomas M. Wood, Eva Maria Dusterhoft, Annette Toft, and Juergen Puls, Vol. 78 No. 2 Tappi Journal 79, Feb. 1995, pp. 79, 82, 83 and 87.				
		"Feed Additive for Animal Use", Kyowa Hakko Kogyo Co Ltd, Konno Toshiyasu, Matsuura Ichiro and Shirahata Kimikatsu, 08/03/1993, Abstract of JP05192093A.				
		"Influence of Sodium Hyroxide and Enzyme Additions on Nutritive Values of Rice Straw, C.M. Willis, O. T. Stallcup and D. L. Kreider, University of Arkansas, pp. 303-308, 1980.				
		"1999 Official Publication Association of American Feed Control Officials Incorporated", by Association of American Feed Control Officials, Copyright © 1999, pp. 207-217.				
EXAMINER SIGNATURE					DATE CONSIDERED	
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.						